Page 2, line 18, replace "provide a sleeve" with -- provided a sleeve --.

Page 2, line 18, replace "sleeves 16" with -- sleeve 16--.

The tubes 12 and 14 extend the entire length of the flexible connector 10. At each end thereof there is ~~provide~~ provided a sleeve 16. The function of the ~~sleeves~~ sleeve 16 is to facilitate manipulation of the flexible connector 10 both during connection thereof to other instrumentalities and during use.

Page 8, line 17, replace "and at various" with -- and that various--.

The flexible connector 30 includes a length of corrugated tubing 32 which extends substantially the entire length of the flexible connector 30. The length of corrugated tubing 32 may be formed from stainless steel, bronze, brass, carbon, monel, other metals, various polymeric materials, and other materials that will not be adversely affected by the fluid that will flow through the flexible connector 30. In most instances an end piece 34 is provided at each end of the length of corrugated tubing 32. Those skilled in the art will recognize the fact that the end piece 34 is representative only and ~~at~~ that various types and kinds of end pieces can be utilized in the practice of the invention. The end piece 34 is provided with a proximal end 36 having a plurality of corrugations 38.

Page 9, line 11, replace "tube 40" with --tubing 40 --.

Page 9, line 15, replace "entire length of the length of " with -- entire length of --.

Page 9, line 24, replace "tubing 32" with -- of tubing 32 --.

Page 10, line 1, replace "mesh tubing 32" with -- mesh tubing 42--.

After the flexible ~~tube~~ tubing 40 has been positioned to retain the proximal end 36 of the end piece 34 in engagement with the distal end of the length of corrugated tubing 32, a length of mesh tubing 42 is extended over the entire length of ~~the length of~~ stainless steel corrugated tubing 32, and over the entire length of the flexible tubing 40, and over the corrugations 38 of the end piece 34. The length of mesh tubing may be formed from stainless steel, kynas, nylon, various textiles, or other materials depending on the requirements of particular applications of the invention. Assuming that an end piece is positioned at the opposite end of the length of corrugated tubing 32 and that the end piece at the opposite end of the length of tubing 32 also has corrugation similar to the corrugations 38, the length of mesh tubing [[32]] 42 also extends beyond the end of the length of corrugated tubing 32 and over the corrugations of the end piece positioned in engagement therewith.

Page 10, line 6, replace "resilient tubing 40" with --flexible polymeric tubing 40--.

Page 10, line 10, replace "flexible tubing 46" with - -flexible tubing - -.

Following the positioning of the length of mesh tubing 42 over the length of ~~resilient~~ flexible polymeric tubing 40 and over the proximal end 36 of the end piece 34 and the distal end of the length of corrugated tubing 32, a sleeve 44 is positioned over the distal end of the length of mesh tubing 42 and in alignment with the length of flexible tubing [[46]]. The results of the foregoing steps are illustrated in Figure 3. The sleeve 44 may be formed from stainless steel, copper, bronze, brass, steel, or other materials depending on the requirements of particular applications of the invention.

Page 10, line 23, replace "sleeve 46" with -- sleeve 44--.

Page 11, lines 1-2, replace "resilient tubing 40" with --flexible polymeric tubing 40--.

Page 11, line 5, replace "sleeve 46" with --sleeve 44 --.

Page 11, line 7, replace "corrugated tube 42" with -- corrugated tubing 32--.

Following the assembly steps described in the preceding paragraphs, the partially finished flexible connector 30 is positioned in a crimping die 46. Those skilled in the art will understand and appreciate the fact that the crimping die 46 is diagrammatically illustrated in Figure 4, and that the actual crimping die will not necessarily have the appearance shown in Figure 4. The function of the crimping die 46 is to crimp the sleeve [[46]] 44 into gripping engagement with the distal end of the length of mesh tubing 42, the length of ~~resilient~~ flexible polymeric tubing 40, the corrugations 38 comprising the proximal end 36 of the end piece 34, and the corrugations comprising the distal end of the length of corrugated tubing 32. The crimping of the sleeve [[46]] 44 therefore permanently retains the proximal end of the end piece in engagement with the distal end of the corrugated ~~tube 42~~ tubing 32. Thus, following actuation of the crimping die 46 at the opposite ends thereof, the fabrication of the flexible connector 30 is complete.

Page 11, line 12, replace "sleeve 46" with --sleeve 44 --.

Page 11, line 13, replace "resilient tubing 40" with --flexible polymeric tubing 40--.

Page 11, line 16, replace "sleeve 46" with --sleeve 44 –.

Page 11, line 16, replace "corrugated tubing 34" with -- corrugated tubing 32--.

In the case of flexible connectors intended for low pressure applications, the length of mesh tubing 42 can be omitted. In such instances the sleeve [[46]] 44 is aligned with the length of ~~resilient~~ flexible polymeric tubing 40, the corrugations 38 comprising the proximal end 36 of the end piece 34, and the corrugations comprising the distal end of a length of corrugated tubing [[34]] 32. The sleeve [[46]] 44 is then crimped in the manner diagrammatically illustrated in Figure 4 thereby securing the component parts of the flexible connector in place.

Page 12, lines 2-3, replace "flexible tubing 52" with -- corrugated tubing 52--.

Referring to Figures 5 and 6, there is shown a flexible connector 50 comprising a second embodiment of the present invention. The flexible connector 50 includes a length of corrugated tubing 52 which extends substantially the entire length of the flexible connector 50. The flexible connector 50 will typically include an end piece 54 positioned at each end of the length of ~~flexible~~ corrugated tubing 52. Those skilled in the art will appreciate the fact that the end piece 54 is representative only and that various types and kinds of end pieces may be utilized in the practice of the invention.

Page 12, line 13, replace "end piece 50" with --end piece 54 --.

Page 12, line 17, replace "end piece 50" with --end piece 54 --.

Regardless of the type or kind of end piece that is utilized in the construction of the flexible connector 50, the end piece 54 is preferably provided with a proximal end 56 having a plurality of corrugations 58 formed thereon. An initial step in the manufacture of the flexible connector 50 comprises the engagement of the proximal end 56 of the end piece [[50]] 54 with the distal end of length of corrugated tubing 52. Thereafter a length of heat shrink polymeric tubing 60 is moved axially along the length of corrugated tubing 52 until it extends over the corrugations 58 of the proximal end of the end piece [[50]] 54 and the corrugations comprising the distal end of the length of stainless steel corrugated tubing 52.

Page 12, line 22, replace "end piece 50" with --end piece 54 --.

Page 13, line 4, replace "end piece 50" with --end piece 54 --.

Page 13, line 6, replace "end piece 50" with --end piece 54 --.

Page 13, line 14, replace "of the length of corrugated" with -- of corrugated --.

Referring specifically to Figure 6, after the length of heat shrink tubing 60 is positioned over the proximal end 56 of the end piece [[50]] 54 and the distal end of the length of corrugated tubing 52, a radiation source 62 is utilized to heat the length of heat shrink tubing 60. Heating of the length of heat shrink tubing 60 causes the heat shrink tubing 60 to retract or shrink into rigid engagement with the distal end of the length of corrugated tubing 52 and the proximal end of the end piece [[50]] 54 thereby securing the distal end ~~of the length~~ of corrugated tubing 52 in engagement with the proximal end of the end piece [[50]] 54.

Page 13, line 19, replace "52" with --tubing 52--.

The succeeding steps in the manufacture of the flexible connector 50 are the same as the latter steps in the manufacture of the flexible connector 30 as illustrated in Figures 2, 3, and 4 and described hereinabove in conjunction therewith. Thus, the next step in the manufacture of the flexible connector 50 may involve extending a length of mesh tubing along the entire length of the length of corrugated tubing 52 and over the proximal ends 56 of the end pieces 54 comprising the flexible connector 50. Thereafter, a sleeve similar to the stainless steel sleeve 44 of Figures 2, 3, and 4 is positioned over the distal end of the length of corrugated tubing 52 (if used), the proximal end of the end piece 54, and the now-shrunk length of heat shrink tubing 60. The final step in the manufacture of the flexible connector 50 comprises the crimping of the sleeve as illustrated in Figure 4 and described hereinabove in conjunction therewith. In low pressure applications the length of mesh tubing may be omitted.

It is believed that no fee is due. If this is incorrect, the Commissioner is hereby authorized to charge any fees which may be required by this paper to Deposit Account No. 50-0856.

Respectfully submitted,

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